Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Sunday 27 Feb 2022 until 23:59 on Monday 28 Feb 2022

Forecast Issued on Saturday 26 Feb 2022 at 12:56

Confidence: High for generally fair Sunday, poor conditions dominating Monday, and then fair again Tuesday. However low for detail of the worst weather on Monday, then the developments from Wednesday.

Headline for Sunday 27 Feb 2022: Dry. Prolonged sunshine. Significant wind chill at height. Freezing level lifting later.

Mountain weather hazards on Sunday 27 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Sunny	Sunny	Sunny	Sunny	Cloudy	Dull
Precipitation probability							
00%	00%	00%	00%	00%	00%	<05%	10%

Forecast for Sunday 27 Feb 2022

Weather: A dry night then day with largely clear skies leading to prolonged periods of sunshine. Higher cloud feeding from the west during the evening, bringing some patchy light rain towards midnight, chiefly across western ranges.

Chance of cloud-free hill tops above 800m: Near 100% by day. Becoming 70% in evening.

Low cloud and visibility: Good or very good by day. Patchy cloud above 700m in evening.

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Mountain Weather Forecast

Forecast for Sunday 27 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	48/61 S	42/54 S	35/46 S	33/44 S	34/45 S	31/42 S	38/49 S	41/54 S	37/50 S
600	42/58 S	40/56 S	37/53 S	33/47 S	30/42 S	27/39 S	31/46 S	35/51 S	31/47 S
300	16/42 S	15/39 S	14/36 S	14/33 S	15/34 S	14/32 S	13/34 S	15/39 S	14/36 S
Valley	14/34 S	13/32 SE	13/30 SE	13/27 SE	14/27 SE	14/28 S	14/30 S	16/35 S	16/32 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-12	-2/-11	-2/-11	-2/-11	-1/-10	0/-8	1/-7	1/-8	0/-8
600	0/-9	-1/-10	-1/-10	-1/-9	2/-6	3/-4	3/-4	2/-5	2/-6
300	2/-3	2/-4	1/-4	2/-4	4/-0	6/2	5/1	4/-0	4/-1
Valley	5/1	4/-0	4/-1	4/-0	7/3	8/5	8/4	7/3	7/3
Freezing Level*	600m	500m	400m	500m	600m	800m	1000m	1200m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill at height.

Forecast for Monday 28 Feb 2022

Weather: Overcast through much of the day with periods of rain, heavy at times, particularly during the afternoon, and wintry across highest peaks. However also some limited chance of drier, potentially brighter, interludes. Cloud and rain clearing from the west mid to late evening.

Maximum wind: South or southwest mean 30mph with gusts 45mph, decreasing gradually from late morning.

Chance of cloud-free hill tops above 800m: 10% by day.

Low cloud and visibility: Moderate or poor in rain, very poor in snow, only a few meters in cloud with cloud bases quite extensive from 450-600m by day.

Temperature: **Valleys:** Plus 3 Celsius increasing 11 Celsius during the afternoon
At 800m: Plus 1 Celsius increasing 4 Celsius for a time
Freezing level: 1000m increasing 1500m for a time

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 26 February. Location: Helvellyn summit at 15:00. Temperature: plus 0.3degC. Maximum wind speed 48.4mph. Wind chill: minus 10.2degC. Average wind speed: 41.2mph

Full report:

Winter conditions still hold sway on Helvellyn and many of the higher Lake District summits. The strong winds of the last few days mean that the majority of snow is to be found above 600m on north through east to south aspects with many westerly aspects clear of snow up to summit level. Today the freezing level was above the summits but much of the old neve (refrozen snow) above 800m was still hard and icy and covered with a thin layer of new wet snow. There was also a surprising amount of ice at these altitudes. Striding and Swirral Edges were both a mixture of bare rock, snow and ice. However there are still areas of unavoidable hard and icy snow to cross especially on the exits to the plateau. Any slip not quickly arrested here could have very serious consequences due to the amount of exposed rock. An ice axe and crampons are currently essential equipment for anyone venturing onto snow and or steep and exposed terrain such as the Helvellyn Edges especially where there are patches of neve lurking beneath the new snow.

Other routes such as the Swirls path on the west side of Helvellyn are clear of snow. However the freezing level is forecast to drop overnight and ice will readily form so microspikes are highly recommended for anyone venturing onto the high fells. Full winter clothing (warm and waterproof) including hats and gloves and additional equipment including a map, compass and a headtorch should be carried by all hill-goers.

This is an automated email. If you need a response please email felltop.assessors@lakedistrict.gov.uk

Issued at: 1256 on Sat 26 Feb 2022

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